



Docket No.: M4065.0432/P432

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TECHNOLOGY CENTER 2800
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Andrew M. Lever

Application No.: 09/819,626

Group Art Unit: 2816

Filed: March 29, 2001

Examiner: L. Nguyen

For: LOW INJECTION CHARGE PUMP

AMENDMENT AND RESPONSE TO RESTRICTION REQUIREMENT

Box Non-Fee Amendment
Commissioner for Patents
Washington, DC 20231

Dear Sir:

In response to the Office Action dated January 25, 2002 (Paper No. 5), please amend the above-identified U.S. Patent application as follows:

In the Specification

Please rewrite the paragraph on page 8, line 11-page 9, line 2 as follows:

a

The signal DOWN is applied through capacitor 65 to the common node A of respective switching and D.C. biasing transistors 29 and 43, while the switching signal \overline{UP} is applied through capacitor 69 to the common node B between respective transistors 45 and 31. The provision of the switching signals DOWN and \overline{UP} to respective nodes A and B provides a fast turn on and turn off of the transistors 29 and 31 without waveform distortion in the resulting output signal. The voltage on the capacitors 65 and 69 settles to a DC point where the voltage across transistors 29 and 31 is minimal, but the net effect is a fast turn on and turn off of transistors 29 and 31 with low capacitively coupled charge injection.